

INTERNATIONAL SEARCH REPORT

Intern: Application No
PCT/US 00/15344

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N15/00 C12N15/63 C07K14/47 C07K16/00 C12Q1/68
G01N33/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, EMBL, MEDLINE, EMBASE, BIOSIS, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL [Online] ID:HSAA41896, 3 June 1997 (1997-06-03) HILLIER ET AL.: "Homo sapiens cDNA clone IMAGE:774038" XP002158360 abstract	1-3
X	--- DATABASE EMBL [Online] ID:AI031549, 24 June 1998 (1998-06-24) NCI-CGAP: "Homo sapiens cDNA clone IMAGE:1650050" XP002158361 abstract --- -/--	1-3

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

24 January 2001

Date of mailing of the international search report

27. 04. 2001

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE EMBL [Online] ID:HSZZ15174, 18 April 1997 (1997-04-18) ADAMS ET AL.: "EST180883 JURKAT T-CELLS V HOMO SAPIENS cDNA 5'END" XP002158362 abstract ---	1-3
X	DATABASE EMBL [Online] ID:HS1247593, 10 June 1997 (1997-06-10) HILLIER ET AL.: "Homo sapiens cDNA clone IMAGE:782683" XP002158363 abstract ---	1-3
A	WO 97 33551 A (MILLENNIUM PHARMACEUTICALS) 18 September 1997 (1997-09-18) the whole document ---	
A	WO 98 25959 A (CHIRON CORP) 18 June 1998 (1998-06-18) the whole document ---	
A	WO 98 56951 A (ABBOTT LAB) 17 December 1998 (1998-12-17) the whole document ---	
A	WO 99 02724 A (MOUNT SINAI HOSPITAL CORP ;BERNSTEIN ALAN (CA); CARUANA GEORGINA () 21 January 1999 (1999-01-21) the whole document ---	
P,X	WO 99 50405 A (GENETICS INST) 7 October 1999 (1999-10-07) See clone pm4_13 and pm4_13 protein, claim 26, page 110-11. the whole document -----	1-19

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internat Application No
PCT/US 00/15344

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
W0 9733551 A	18-09-1997	AU 2582897 A US 6100031 A	01-10-1997 08-08-2000
W0 9825959 A	18-06-1998	AU 5796298 A EP 0948531 A	03-07-1998 13-10-1999
W0 9856951 A	17-12-1998	EP 0990045 A	05-04-2000
W0 9902724 A	21-01-1999	AU 8203598 A	08-02-1999
W0 9950405 A	07-10-1999	AU 3457299 A EP 1068307 A	18-10-1999 17-01-2001

PATENT COOPERATION TREATY

10/009416

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference PT-1042-PCT	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 00/15344	International filing date (day/month/year) 01/06/2000	(Earliest) Priority Date (day/month/year) 03/06/1999
Applicant INCYTE GENOMICS INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☒ contained in the international application in written form.

☒ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☒ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. --

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-19 (all partially)

Invention 1

Isolated polynucleotide comprising a polynucleotide sequence with Seq.ID 1, methods, compositions and microarrays using said polynucleotide, as well as a recombinant polynucleotide comprising a promoter sequence operably linked to Seq.ID 1 and a cell and a transgenic organism comprising such a recombinant polynucleotide, a purified secretory polypeptide encoded by encoded by Seq.ID 1, a method of producing such a polypeptide, an antibody which specifically binds to this secretory polypeptide as well as methods of identifying a test compound using this polypeptide.

2. Claims: 1-19 (all partially)

Inventions 2-14

Isolated polynucleotide comprising a polynucleotide sequence with Seq.ID 2, methods, compositions and microarrays using said polynucleotide, as well as a recombinant polynucleotide comprising a promoter sequence operably linked to Seq.ID 2 and a cell and a transgenic organism comprising such a recombinant polynucleotide, a purified secretory polypeptide encoded by encoded by Seq.ID 2, a method of producing such a polypeptide, an antibody which specifically binds to this secretory polypeptide as well as methods of identifying a test compound using this polypeptide.

..idem for Seq.IDs 3-14

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-19 (all partially)

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE
in its capacity as elected Office

Date of mailing (day/month/year) 27 February 2001 (27.02.01)	
International application No. PCT/US00/15344	Applicant's or agent's file reference PT-1042 PCT
International filing date (day/month/year) 01 June 2000 (01.06.00)	Priority date (day/month/year) 03 June 1999 (03.06.99)
Applicant HODGSON, David, M. et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
13 December 2000 (13.12.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer S. Mafla
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38